

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4564844	(work stage same guides same guide transfer)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/19 13:01
L2	21	L1 and ((laser near pointer) and (transfer same (guide or rail)))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/19 13:01
L3	12364	L1 and (ball near screw)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/19 13:01
L4	2362	L3 and (mount\$4 and transfer and dimension\$4)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/19 13:01
L5	63	L4 and ((guide\$4 same (first and second and transfer)) same (stage or wafer or substrate or mount))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/19 13:01
L6	20	L5 and (laser pointer)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/19 13:01
L7	48	4 and (x near y near z) and (shaft and mount\$4 and base and emit\$4 and guide and transfer and (stage or support))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/19 13:02
L14	1	5 and (galvano and (laser near pointer) and transfer)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/19 13:42
L15	1	4 and (galvano and (laser near pointer) and transfer)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/19 13:42
S1	1	"10542919"	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 17:31

S2	485	"356"/.clas. and (three near dimensional near measuring)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 10:10
S3	2	S2 and (x near y near z) and (shaft and mount\$4 and base and emit\$4 and guide and transfer and (stage or support))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 11:18
S4	826	(x near y near z) and (shaft and mount\$4 and base and emit\$4 and guide and transfer and (stage or support))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 16:10
S5	11	(x near y near z) and (shaft and mount\$4 and base and emit\$4 and guide and transfer and (stage or support)) and (three near dimensional near measuring)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 09:47
S6	1	koh-kwang-III.IN.	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 09:48
S7	0	koh-kwang.IN.	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 09:47
S8	251	356/600-604.CCLS. AND (THREE NEAR DIMENSIONAL NEAR (IMAGE OR MEASURING))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 09:51
S9	2	S8 AND (shaft and mount\$4 and base and emit\$4 and guide and transfer and (stage or support))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 09:49
S10	157	S4 and (motor and screw and ball and (pzt or piezoelectric))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/23 13:05
S11	1	S2 and (motor and screw and ball and (pzt or piezoelectric))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 09:50
S12	2	S8 and (motor and screw and ball and (pzt or piezoelectric))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 09:50

S13	41	356/375-376, 237,600-604. CCLS. AND (THREE NEAR DIMENSIONAL NEAR (IMAGE OR MEASURING))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 10:03
S14	1	S13 and (motor and screw and ball and (pzt or piezoelectric))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 09:52
S15	251	356/375,376,237,600-604.CCLS. AND (THREE NEAR DIMENSIONAL NEAR (IMAGE OR MEASURING))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 10:06
S16	0	S15 and ((pzt or piezoelectric) near actuator) and (rotat\$4 near (mirror or galvno))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 10:07
S17	251	S8	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 10:07
S18	0	S8 and ((pzt or piezoelectric) near actuator) and (rotat\$4 near (mirror or galvno))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 10:07
S19	0	S10 and ((pzt or piezoelectric) near actuator) and (rotat\$4 near (mirror or galvno))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 10:07
S20	15	(three near dimension\$4 near image near measuring near apparatus)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 10:10
S21	64	"4794550"	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 10:11
S22	62	"5175601"	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 10:11
S23	10	S22 and (three near dimensional near measuring)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 10:24

S24	5	S21 and ((three near dimensional near measuring)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 10:57
S25	20	S22 and ((three near dimensional) same measuring)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 10:24
S26	10	S21 and ((three near dimensional) same measuring)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 10:40
S27	65	("3943278" "4111557" "4155098" "4169980" "4212073" "4498770" "4564295" "4697927").PN. OR ("4794550").URPN.	US-PGRUB; USPAT; USOCR	OR	OFF	2007/09/20 10:39
S28	10	S27 and ((three near dimensional) same measuring)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 10:41
S29	91	("3166624" "3627427" "3943278" "4051483" "4070688" "4212073" "4273448" "4459027" "4525858" "4577940" "4664470" "4675730" "4742237" "4794550" "4803645" "4810895" "4813761" "4814601" "4834530" "4836681" "4842411" "4850673" "4850693" "4867570" "4872757" "4874955" "4877970" "4887899" "4895434" "4895448" "4900144" "4904084" "4928169" "4929083" "4939368" "4939380" "4948258").PN. OR ("5175601"). URPN.	US-PGRUB; USPAT; USOCR	OR	OFF	2007/09/20 10:41
S30	22	S29 and ((three near dimensional) same measuring)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 11:13
S31	23915	((pzt or (piezoelectric) near actuator and (liquid near crystal or (lod))))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 10:11
S32	21	S4 and ((pzt or (piezoelectric) near actuator and (liquid near crystal or (lod))))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 11:14

S33	7	S2 and ((pzt or (piezoelectric) near actuator and (liquid near crystal or (lod))))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 11:14
S34	260	S31 and (motor and screw and ball and (pzt or piezoelectric))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 12:37
S35	21	S31 and (x near y near z) and (shaft and mount\$4 and base and emit\$4 and guide and transfer and (stage or support))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 11:18
S36	30	S34 and (grating and transfer and (support or base))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 11:20
S37	1	S34 and (reflect\$4 near (light or beam)) and (mount\$4 and scan \$4 and galvano)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 11:27
S38	54	S34 and (reflect\$4 near (light or beam)) and (mount\$4 and scan \$4)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 11:29
S39	1	S34 and galvano	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 11:29
S40	94	S31 and galvano	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 11:29
S41	14	S15 and galvano	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 11:29
S42	31	S2 and galvano	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 11:30
S43	6	S40 and ((pzt or (piezoelectric) near actuator) and (rotat\$4 near mirror) and (transfer))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 08:53
S44	3	("5776545" "5833446" "6482062").PN. OR ("7040945").URPN.	US-PGRUB; USPAT; USOCR	OR	OFF	2007/09/20 11:38

S45	47	S34 and (xyz or (x same y same z) and (transfer))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 12:39
S46	9	S45 and (ball near screw)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 12:17
S47	19	("4710865" "4924257" "5255347" "5268834" "5289231" "5371669" "5473412" "5477304" "5663783" "Re33267").PN. OR ("5940789").URPN.	US-PGRUB; USPAT; USOCR	OR	OFF	2007/09/20 12:27
S48	15	("20010021009" "20020048006" "20020054280" "20020140921" "20030030779" "20030071981" "20030089862" "20030128345" "20040027552" "5877845" "5907392" "5940789" "5986743" "6069683" "6260282").PN. OR ("7256866"). URPN.	US-PGRUB; USPAT; USOCR	OR	OFF	2007/09/20 12:36
S49	23	Kubo-Hiro Yoshi.in.	US-PGRUB; USPAT; USOCR	OR	OFF	2007/09/20 12:36
S50	0	S49 and (motor and screw and ball and (pzt or piezoelectric))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 12:37
S51	0	S49 and (motor and screw and ball and (actuator))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 12:37
S52	16	S49 and (motor and (actuator))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 12:37
S53	13	S48 and (motor and (actuator))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 12:37
S54	9	("20020189117" "5524502" "5701041" "5858587" "6188150" "6208408" "6320649" "6353271" "6442858").PN. OR ("7075624"). URPN.	US-PGRUB; USPAT; USOCR	OR	OFF	2007/09/20 12:39

S55	3	S54 and (xyz or (x same y same z) and (transfer))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 13:55
S56	1	S38 and (xyz and (transfer))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 13:56
S57	83	S31 and (xyz and (transfer))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 15:29
S58	5	S34 and (xyz and (transfer))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 13:56
S59	2	S57 and (three near dimensional near measuring)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 15:01
S60	15	S57 and (three near dimensional near imag\$4)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 15:04
S61	1	S57 and (three near dimensional near transfer)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 17:53
S62	11	S57 and (three near dimensional same (transfer))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 15:04
S63	0	((((xyz) or (xy and z)) near (transfer)) and ((three near dimension\$4) same (imag\$4 near measur\$4)))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 15:31
S64	6	((((xyz) or (xy and z)) near (transfer)) and ((three near dimension\$4)))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 15:32
S65	2	"7262857"	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 15:32
S66	6	("4926452" "5848115" "6628746" "6687328").FN. OR ("7099432").URPN.	US-PGRUB; USPAT; USOCR	OR	OFF	2007/09/20 15:42

S67	8	Ichihara-Masaru.in.	US-PGRUB; USPAT; USOCR	OR	ON	2007/09/20 15:43
S68	3	"11350279"	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 17:53
S69	44	(US-20030128345-\$ or US-20050283072-\$ or US-20060158664-\$ or US-20040145746-\$ or US-20030043387-\$ or US-20050174581-\$ or US-20040041997-\$ or US-20030030779-\$ or US-20060045327-\$ or US-20030098962-\$).did. or (US-6268923-\$ or US-5450204-\$ or US-7040945-\$ or US-5307151-\$ or US-6594081-\$ or US-5175601-\$ or US-6181424-\$ or US-6775010-\$ or US-6937911-\$ or US-6836033-\$ or US-6570645-\$ or US-5477304-\$ or US-5729015-\$ or US-6133052-\$ or US-5854745-\$ or US-4971445-\$ or US-5393288-\$ or US-6956963-\$ or US-6760113-\$ or US-4794550-\$ or US-5784098-\$ or US-4051483-\$ or US-5102223-\$ or US-4867570-\$ or US-7075661-\$ or US-6873421-\$).did. or (US-5986743-\$ or US-6442858-\$ or US-6798527-\$ or US-7237919-\$ or US-5940789-\$ or US-4924257-\$ or US-5907392-\$ or US-6353271-\$).did.	US-PGRUB; USPAT	OR	OFF	2007/09/23 13:01
S70	107083	S69 and (obtain\$4 near image) or (scan\$4 near (image or grating or object))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/23 13:03
S71	21	S69 and ((obtain\$4 near image) or (scan\$4 near (image or grating or object)))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/23 13:03
S72	253252	((obtain\$4 near image) or (scan\$4 near (image or grating or object)))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/23 13:03
S73	2	S71 and (motor and screw and ball and (pzt or piezoelectric))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/23 13:06

S74	2	S71 and (three near object)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/23 13:08
S75	6	S71 and (three near dimension \$4 near (measur\$4 or image))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/23 13:08
S76	13	S71 and (three near dimension \$4 near (measur\$4 or image))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 09:58
S77	4	liu-lang.in. and (stage or three or dimensional)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/24 10:52
S78	60	"4791586"	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 08:53
S79	188	"4805123"	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 08:53
S80	66	"5963314"	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 08:57
S81	166	"5563702"	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 08:53
S82	3	"20020033449"	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 08:53
S83	0	S78 and (transfer and linear and motor and shaft)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 11:38
S84	1	S79 and (transfer and linear and motor and shaft)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 08:58

S85	1	S80 and (transfer and linear and motor and shaft)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 08:58
S86	3	S81 and (transfer and linear and motor and shaft)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 08:57
S87	110	((three near dimension\$4) same (measur\$4)) and (stage and shaft and transfer) and (screw and motor and ball and scan\$4))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 10:18
S88	85	S87 and (grating and (mirror or galvno or distribut\$4))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 10:03
S89	80	S87 and (rotat\$4 same (mirror))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 10:03
S90	9	S87 and (shaft same transfer)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 10:04
S91	0	356/436.cds. and (three same dimensional)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 10:11
S92	11	356/436.cds. and (three same dimensional same measur\$4)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 10:14
S93	0	S92 and (((pzt or (piezoelectric) near actuator and (liquid near crystal or (lod))))))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 10:12
S94	0	S92 and (((pzt or (piezoelectric) and (liquid near crystal or (lod))))))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 10:12
S95	307	Tajima-Hideji .in.	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 10:14

S96	12	Tajima-Hideji.in. and (measur\$4 and three and dimension\$4)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 10:17
S97	1	"10543471"	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 10:17
S98	1	S95 and (((three near dimension \$4) same (measur\$4)) and (stage and shaft and transfer) and (screw and motor and ball and scan\$4))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 10:19
S99	0	S95 and ((x near y near z) and (shaft and mount\$4 and base and emit\$4 and guide and transfer and (stage or support)))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 10:19
S100	81	S88 and ((x near y near z) and (shaft and mount\$4 and base and emit\$4 and guide and transfer and (stage or support)))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 10:20
S101	3	"11350279"	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 11:49
S102	0	S101 and (pzt or (piezo) and ((rotat\$4 or movin\$3) same (mirror or grating or stage)))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 11:51
S103	0	S101 and (pzt or (piezo) and ((rotat\$4 or movin\$3) and (mirror or grating or stage)))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 11:50
S104	44	((US-20030128345-\$ or US-20050283072-\$ or US-20060158664-\$ or US-20040145746-\$ or US-20030043387-\$ or US-20050174581-\$ or US-20040041997-\$ or US-20030030779-\$ or US-20060045327-\$ or US-20030098962-\$).did. or (US-6268923-\$ or US-5450204-\$ or US-7040945-\$ or US-5307151-\$ or US-6594081-\$ or US-5175601-\$ or US-6181424-\$ or US-6775010-\$ or US-6937911-\$ or US-6836033-\$ or US-6570645-\$ or US-5477304-\$ or US-5729015-\$ or US-6133052-\$ or US-5854745-\$ or US-4971445-\$ or US-5393288-\$ or US-6956963-\$	US-PGRUB; USPAT	OR	OFF	2007/09/27 17:36

		or US-6760113-\$ or US-4794550-\$ or US-5784098-\$ or US-4051483-\$ or US-5102223-\$ or US-4867570-\$ or US-7075661-\$ or US-6873421-\$).did. or (US-5986743-\$ or US-6442858-\$ or US-6798527-\$ or US-7237919-\$ or US-5940789-\$ or US-4924257-\$ or US-5907392-\$ or US-6353271-\$).did.				
S105	12	S104 and ((pzt or (piezo) and ((rotat\$4 or movin\$3) same (mirror or grating or stage)))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 16:24
S106	1	S104 and ((laser or light) same (pointer))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 12:58
S107	2	S104 and ((laser or light) and (pointer))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 12:59
S108	11	S104 and (grating same (light or source or emitting or beam or laser))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 12:00
S109	2	S105 and (grating same (light or source or emitting or beam or laser))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 11:59
S110	37	S104 and (project\$3)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 12:45
S111	22	S110 and (project\$4 near (beam or light or grating or beam))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 12:48
S112	2	S104 and (predetermin\$4 near wavelength)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 13:11
S113	18	S104 and (crystal or lcd)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 15:44

S114	5	S113 and grating	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 15:45
S115	11	S108 and grating	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 15:46
S116	7	S115 and mirrors	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 15:46
S117	65	("3943278" "4111557" "4155098" "4169980" "4212073" "4498770" "4564295" "4697927").PNL OR ("4794550").URPN.	US-PGRUB; USPAT; USOCR	OR	OFF	2007/09/27 16:08
S118	61	S117 and (galvano or grating or pzt or piezo or crystal or diffract \$4 or rotat\$4 or mirror\$2 or distributor or projection or transfer\$4)	US-PGRUB; USPAT; USOCR	OR	OFF	2007/09/27 16:24
S119	486	"356"/.clas. and (three near dimensional near measuring)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 16:10
S120	364	S119 and (galvano or grating or pzt or piezo or crystal or diffract \$4 or rotat\$4 or mirror\$2 or distributor or projection or transfer\$4)	US-PGRUB; USPAT; USOCR	OR	OFF	2007/09/27 16:10
S121	0	S118 and (x near y near z) and (shaft and mount\$4 and base and emit\$4 and guide and transfer and (stage or support))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 16:10
S122	2	S120 and (x near y near z) and (shaft and mount\$4 and base and emit\$4 and guide and transfer and (stage or support))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 16:11
S123	47	"4212073"	US-PGRUB; USPAT; USOCR	OR	ON	2007/09/27 16:25
S124	2	S123 and (pzt or (piezo) and ((rotat\$4 or movin\$3) same (mirror or grating or stage)))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 16:25
S125	2	S123 and (pzt or (piezo) and ((rotat\$4 or movin\$3) and (mirror or grating or stage)))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 16:24

S126	44	(US-20030128345-\$ or US-20050283072-\$ or US-20060158664-\$ or US-20040145746-\$ or US-20030043387-\$ or US-20050174581-\$ or US-20040041997-\$ or US-20030030779-\$ or US-20060045327-\$ or US-20030098962-\$).did. or (US-6268923-\$ or US-5450204-\$ or US-7040945-\$ or US-5307151-\$ or US-6594081-\$ or US-5175601-\$ or US-6181424-\$ or US-6775010-\$ or US-6937911-\$ or US-6836033-\$ or US-6570645-\$ or US-5477304-\$ or US-5729015-\$ or US-6133052-\$ or US-5854745-\$ or US-4971445-\$ or US-5393288-\$ or US-6956963-\$ or US-6760113-\$ or US-4794550-\$ or US-5784098-\$ or US-4051483-\$ or US-5102223-\$ or US-4867570-\$ or US-7075661-\$ or US-6873421-\$).did. or (US-5986743-\$ or US-6442858-\$ or US-6798527-\$ or US-7237919-\$ or US-5940789-\$ or US-4924257-\$ or US-5907392-\$ or US-6353271-\$).did.	US-PGRUB; USPAT	OR	OFF	2007/09/27 17:38
S127	33	S126 and (actuator or pzt or transducer or piezoelectric or grating)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 17:41
S128	6	S126 and (actuator or pzt or transducer or piezoelectric) and grating)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 17:43
S129	26	S126 and (actuator or pzt or transducer or piezoelectric)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 17:43
S130	4555914	(work stage same guides same guide transfer)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/12 16:46
S131	12318	S130 and (ball near screw)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/12 16:46
S132	2341	S131 and (mount\$4 and transfer and dimension\$4)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/12 16:47

S133	23	S132 and ((pzt or piezoelectric) and (grating))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/12 16:48
S134	128	S132 and (guide\$4 near (first or second))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/12 16:48
S135	72	S132 and (guide\$4 near (first and second))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/12 16:49
S136	2	S132 and (guide\$4 near (first and second and transfer))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/12 17:13
S137	281	S132 and (guide\$4 same (first and second and transfer))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/12 17:13
S138	148	S137 and (stage)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/12 17:14
S139	62	S132 and ((guide\$4 same (first and second and transfer) same (stage or wafer or substrate or mount))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/12 17:28
S140	4558666	(work stage same guides same guide transfer)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/13 10:37
S141	12341	S140 and (ball near screw)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/13 10:37
S142	2360	S141 and ((mount\$4 and transfer and dimension\$4)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/13 10:37
S143	62	S142 and ((guide\$4 same (first and second and transfer) same (stage or wafer or substrate or mount))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/13 10:37
S144	4	("4767988" "5433110" "5483077" "5629622").PN. OR ("7019522").URPN.	US-PGRUB; USPAT; USOCR	OR	OFF	2008/03/13 11:09

S145	44	S143 and (wafer or substrate or reticle)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/13 11:10
S146	15	S145 and (z near (axis or dimension\$4))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/13 11:18
S147	612	S142 and (z near (axis or dimension\$4))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/13 11:18
S148	18	S143 and (z near (axis or dimension\$4))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/13 11:18
S149	4558666	(work stage same guides same guide transfer)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/13 13:37
S150	12341	S149 and (ball near screw)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/13 13:37
S151	2360	S150 and (mount\$4 and transfer and dimension\$4)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/13 13:37
S152	62	S151 and ((guide\$4 same (first and second and transfer)) same (stage or wafer or substrate or mount))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/13 13:37
S153	18	S152 and (z near (axis or dimension\$4))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/13 13:37
S154	4564844	(work stage same guides same guide transfer)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/19 08:04
S155	12364	S154 and (ball near screw)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/19 08:04

S156	2362	S155 and (mount\$4 and transfer and dimension\$4)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/19 08:04
S157	63	S156 and ((guide\$4 same (first and second and transfer)) same (stage or wafer or substrate or mount))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/19 08:04
S158	19	S157 and (z near (axis or dimension\$4))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/19 08:04
S159	1955	S155 and (laser pointer)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/19 11:10
S160	594	S156 and (laser pointer)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/19 11:10
S161	20	S157 and (laser pointer)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/19 11:10
S162	1	S157 and (laser same pointer)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/19 11:11
S163	5	S156 and (laser same pointer)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/19 11:11
S164	16	S155 and (laser same pointer)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/19 11:11
S165	1379	S154 and (laser near pointer)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/19 11:12
S166	8	S155 and (laser near pointer)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/19 11:12

S167	21	S154 and ((laser near pointer and (transfer same (guide or rail)))	US-PGPUB; USPAT; USOCR; PPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/19 11:14
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